

In the Claims

Please cancel all claims namely claims 1-16 and replace with the following claims 17-32:

17. A Light emitting diode compensating circuit comprising:
 - A. a current input electrically coupled to a substantially constant power source;
 - B. a plurality of light emitting diodes, said light emitting diodes being connected to said power source;
 - C. a signal input electrically downstream from said light emitting diodes, said signal input being constructed and arranged to transmit a current drop occurring across said light emitting diodes upon exposure to said power source; and
 - D. at least one controller comprising data representative of electrical specifications for light emitting diodes, said controller being constructed and arranged to access said data, said controller in communication with said signal input, said controller being electrically coupled to said current input, said controller being constructed and arranged to analyze and process said current drop compared to said data and to adjust power provided to said light emitting diodes.
18. The compensating circuit according to claim 17, said controller comprising a look-up table having data representative of electrical specifications for combinations of light emitting diodes.
19. The compensating circuit according to claim 18, said look-up table comprising data representative of electrical specifications of light emitting diodes of different colors.
20. The compensating circuit according to claim 17, wherein said controller accesses said data for identification of at least one current analysis value.

21. The compensating circuit according to claim 20, said controller further comprising processing software.
22. The compensating circuit according to claim 21, said processing software being constructed and arranged to analyze said current drop compared to said at least one current analysis value to adjust power provided to said light emitting diodes.
23. The compensating circuit according to claim 17, wherein said controller is constructed and arranged to illuminate said light emitting diodes for the provision of different types of light signals.
24. The compensating circuit according to claim 17, wherein said controller is constructed and arranged to illuminate said light emitting diodes for the provision of a plurality of combinations of light signals.
25. The compensating circuit according to claim 23, wherein said light emitting diodes are of the same color.
26. The compensating circuit according to claim 22, wherein said light emitting diodes are from the same manufacturing lot.
27. The compensating circuit according to claim 17, said circuit further comprising a compensator electrically connected to said light emitting diodes downstream from said light emitting diodes and electrically upstream from said signal input.
28. The compensating circuit according to claim 27, wherein said compensator is constructed and arranged to initially alter the current drop across said light emitting diodes wherein said compensating circuit conforms to the electrical specifications for an electrical fixture.

29. The compensating circuit according to claim 28, wherein said alteration of said current drop across said light emitting diodes occurs prior to the provision of power to said light emitting diodes.
30. The compensating circuit according to claim 29, said compensator comprising a zener diode.
31. A Light emitting diode compensating circuit comprising:
- A. a current input electrically coupled to a substantially constant power source;
 - B. a plurality of light emitting diodes being connected to said power source;
 - C. a signal input electrically downstream from said light emitting diodes, said signal input being constructed and arranged to transmit a current drop occurring across said light emitting diodes upon exposure to said power source; and
 - D. a compensator electrically connected to said light emitting diodes downstream from said light emitting diodes and electrically upstream from said signal input said compensator being constructed and arranged to alter the current drop across said light emitting diodes wherein said compensating circuit conforms to the electrical specifications for an electrical fixture.
32. The compensating circuit according to claim 31, said compensator comprising a zener diode.